Cloud Services for T&D Environments

Cloud computing is profoundly transforming the way information and services are consumed and provided. It changes companies' ability to consume IT and help in improving business agility, reduce IT resources, and costs benefits that enable them to have a greater control over IT spending allowing them to react and adapt to the changing market environment.

Cloud Computing – Transforming the IT Ecosystem

As the market place transforms, enterprises are undergoing a radical shift in the way they create value and competitive edge. Current economic circumstances and increased competition are also driving the demand for a more effective model to deliver infrastructure, applications and services. Cloud Computing is an emerging approach to shared infrastructure in which large pools of systems are linked together in private and public networks to provide IT services.

Locuz Cloud Strategy

We put together a way to look at building Business-Ready Private Cloud Infrastructure.

Business Problem

For many corporations, product/software is a key enabler of their business processes, and the availability and stability of that software has direct impact on corporate revenues and customer satisfaction.

The product development and testing process is full of challenges for enterprises of all sizes. Traditional test/dev environments are underfunded, under resourced, extending development intervals and creating uneven transitions to production. Taking a holistic approach, we could identify the below business challenges which need to be addressed:

Scalability

- Dynamically scale application environments to match workloads
- Managing exponential growth in users and data

Soaring Costs

- No sharing of resources across projects
- Constantly running, driving up power costs while utilization is low
- No self-service model and changes
- Configuration changes are time and manually intensive

Process & Control

- Assistance and oversight in coordinating and managing resource allocations – both hardware and human
- Removing administrative and bureaucratic steps in the process
- Truly duplicating production environments
- Clearly defined remediation paths
- Launch process and rollback contingency planning

How can we quickly deliver new or modified applications to our internal and external customers while satisfying the desired business requirements for a lower cost than traditional test/de evnvironments?

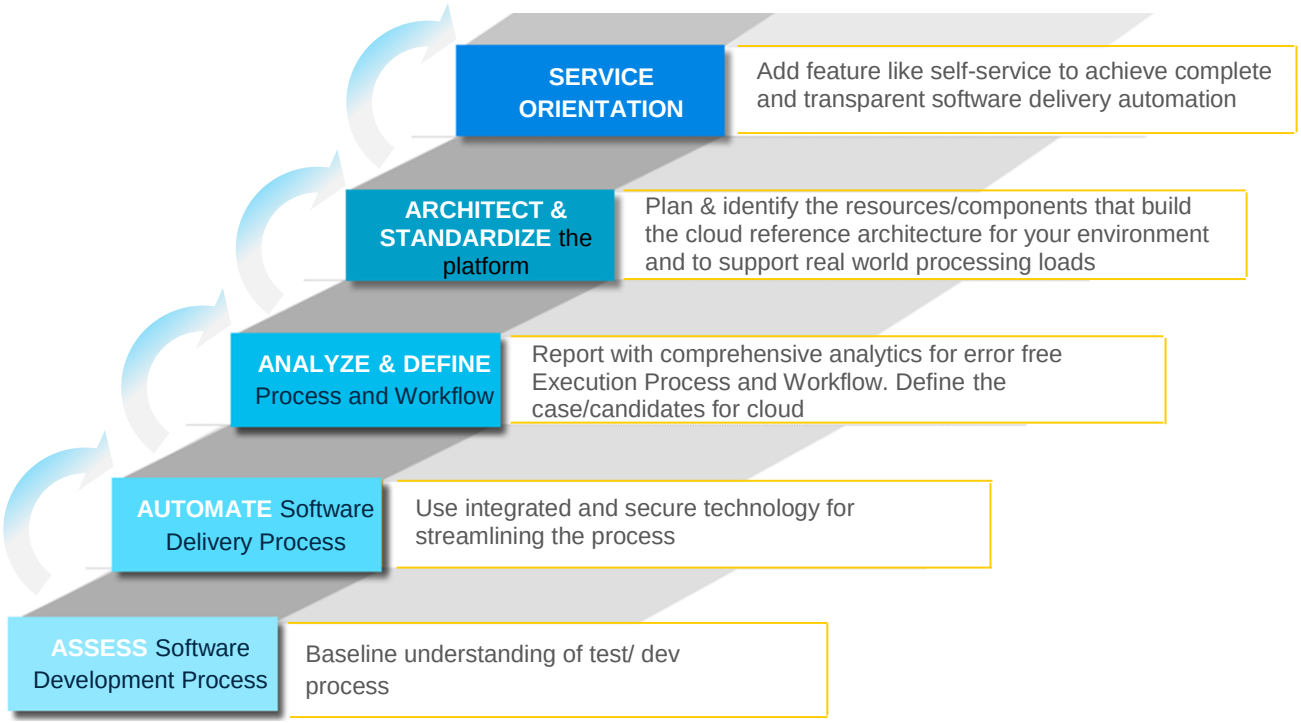
Test/Dev - The Cloud Way

This drives the need to seriously evaluate ways to improve the development and testing lifecycle process. To improve this process, we must address the challenges we face in the dev/test environment . The adoption of cloud technologies for this purpose can help address the traditional roadblocks to successfully satisfy functionality and human and technology resource allocation , while lowering cost.

The real challenge is to understand how your company can make the journey to the cloud – at the right place for your business.

In order to overcome these challenges, organizations are looking at enterprise private cloud offerings. Enterprise private cloud solutions help organizations leverage the existing IT environment and create a cloud computing platform in the private internal network. Enterprise private cloud solutions add capabilities like self-service, automation and charge back over the virtualized infrastructure.

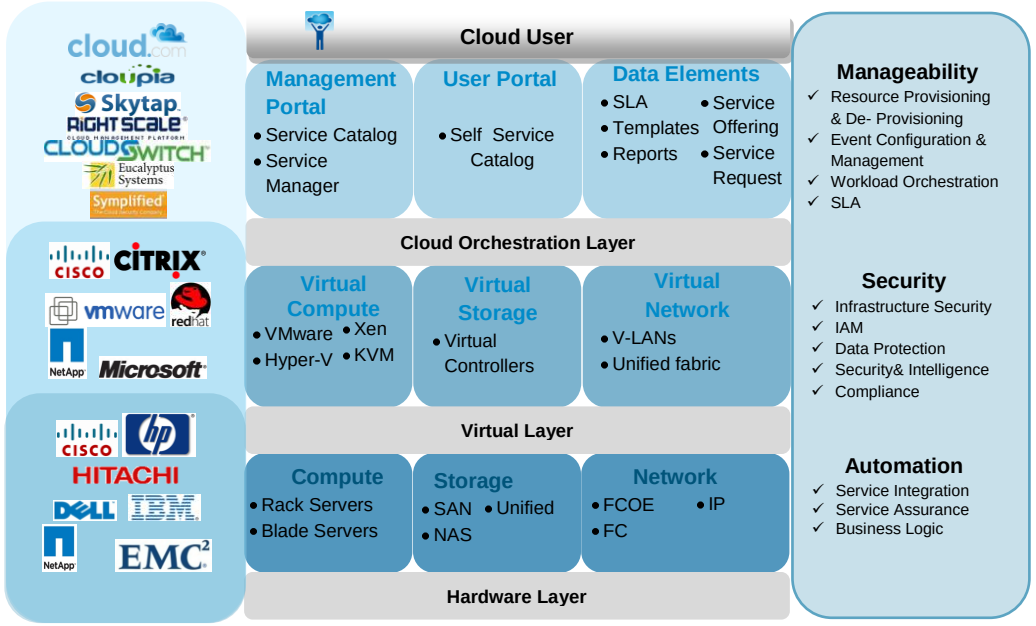
Simple 5-Step Methodology for an Agile Test/Dev Cloud



Reference Case Study

Locuz is instrumental in building a test/dev cloud for **One of World's Leading Enterprise BI & Analytics Company**.
The components include - FlexPod as the building block architecture along with the software stack.
This helps them in rationalization & consolidation of their test/dev infra & operations, non–disruptive & flexible transition from infrastructure silos and scalable for integration with any other cloud solution.

Locuz Cloud Reference Architecture



Salient Features

- Agile, on-demand provisioning of all data center resources in under an hour, through self-service access
- Multiple service levels to address the wide ranging requirements of the application lifecycle
- Fast scale-up or scale down of resources, with usage-based charge back
- Support for virtual environments and multitier application architectures
- Migrate existing virtual server images and workloads into the cloud

Smart Business Advantages

- Increase Business Agility and Intelligence
- Simplify IT Operations with Improved Infrastructure Efficiency
- Reduce the Time-to-Market so that users can request for infrastructure as a service and can get it provisioned on demand.
- Improve the Pace and Consistency of business-application rollouts
- Adopt IT Models reflecting today's Public and Private usage demands
- Reduced overall IT costs through greater Asset efficiency